

APPARATUS AND METHOD FOR MONITORING OF OXIDATIVE GAS OR VAPOR

Abstract of the Disclosure

An apparatus for monitoring the concentration of an oxidative gas or vapor includes a first thermocouple junction and a chemical substance coupled to the first thermocouple junction. The chemical substance is reactive with the oxidative gas or vapor to produce heat. The apparatus further includes a second thermocouple junction coupled in series to the first thermocouple junction. A net voltage is generated across the first and second thermocouple junctions upon exposure of the chemical substance to the oxidative gas or vapor. The net voltage corresponds to the concentration of the oxidative gas or vapor.

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